

Lens User's Manual

SAMSUNG 30mm F2 / SAMSUNG 18-55mm F3.5-5.6 OIS / SAMSUNG 50-200mm F4-5.6 ED OIS

This guide includes the details about how to use Samsung Lens.
Please read this user's manual carefully for proper use and maintenance.

This Lens User's Manual has been specially designed to guide you through the basic functions and features of your device.
Please read the Quick Start Manual and User Manual carefully to ensure safe and correct use.

ENG / FRE / GER / SPA / ITA / POR / RUS / S.CHI / T.CHI / KOR

Before using this product

Thank you for purchasing this Samsung Lens.

This product is specifically designed for the SAMSUNG NX-series digital camera only.

The SAMSUNG GX-series digital cameras and the other types of camera that use 35mm film are not compatible with this product.

Before using the product, please read this user's manual carefully for proper use.

To use the camera, please refer to the user's manual of camera.

- The images used in this user's manual may differ from the actual images.



Notices in Using the Lens

Please read the following safety tips carefully before using this lens.



Warning

This warning sign warns about the risk of problem and damage. When handling the product improperly by ignoring this warning, it may cause bodily injury. Therefore, please read the manual in order to fully understand the use of this product.



Caution

This sign represents information about the operation in order to use this product properly. Please thoroughly read this manual for convenient and proper use of the product.



Warning

- **Please do not stare at the sun by using the lens or camera.**

This can cause fatal damage to your eyes.



Caution

- **Please do not store this lens in direct sun light without putting on the lens cap.**

Direct sun light that passes through the lens can cause a fire if contacting flammable materials

Lens Storage and Maintenance

1. Storage and Bacteria Prevention
 - Please store the lens in a dry and well ventilated area.
 - Please do not store the lens in a closet, car, or confined area with chemicals.
 - Please do not keep in a area of high temperature or humidity.
2. This lens is not water-proof. Please be careful when using the lens near water so as not to wet the unit.
3. Please do not use chemicals such as thinner, alcohol and benzene to remove dust.
4. Lens is a precise optical product. Please do not drop or apply excessive shock to the lens.
5. Please avoid using the lens anywhere that there is a sudden temperature change as condensation can form on the inner/outer part of lens.
Please keep the lens in a plastic bag or camera case and try to use it in normal temperature.
6. When not mounting the lens onto the camera, please place the lens cap and lens mount cap on to prevent foreign particles from entering the lens.
7. Please do not keep the camera mounted on a tripod after removing the lens cap.
The inside of the camera can be damaged by a direct ray of light.
8. Please check the lens once in every 1~2 years to guarantee its high performance.



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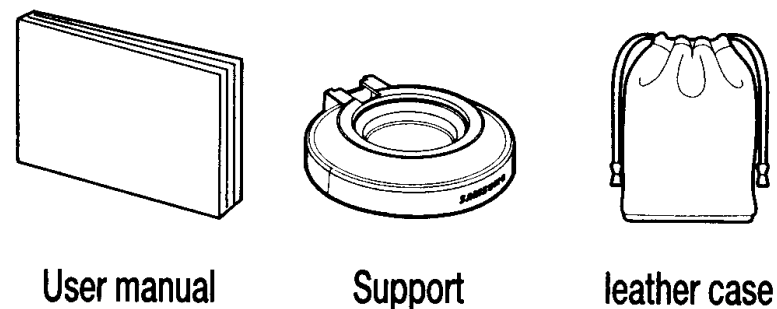
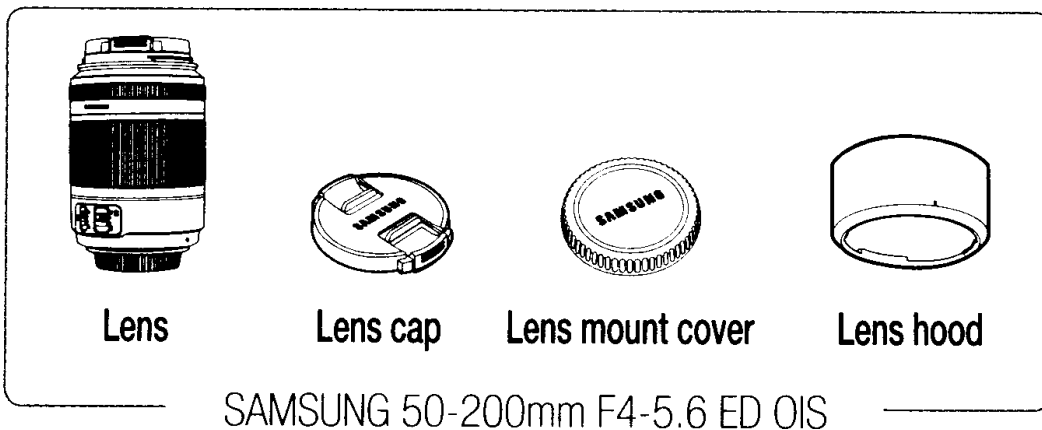
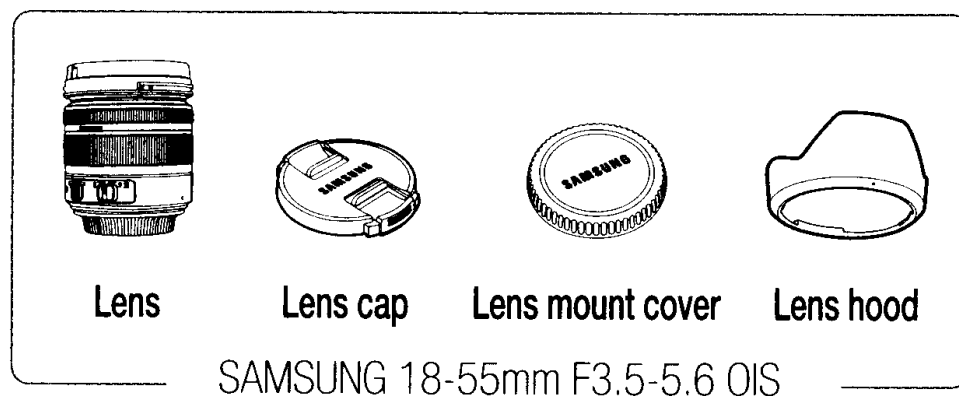
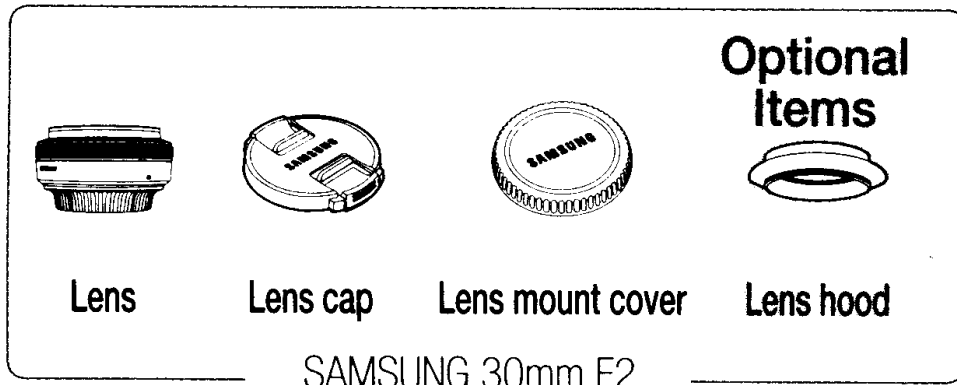
Unpacking

Check your product box for the following items.

The actual lens may differ depending on the focal length of the lens.

Please check that the product is identical to the focal length of the purchased lens.

Unpacking

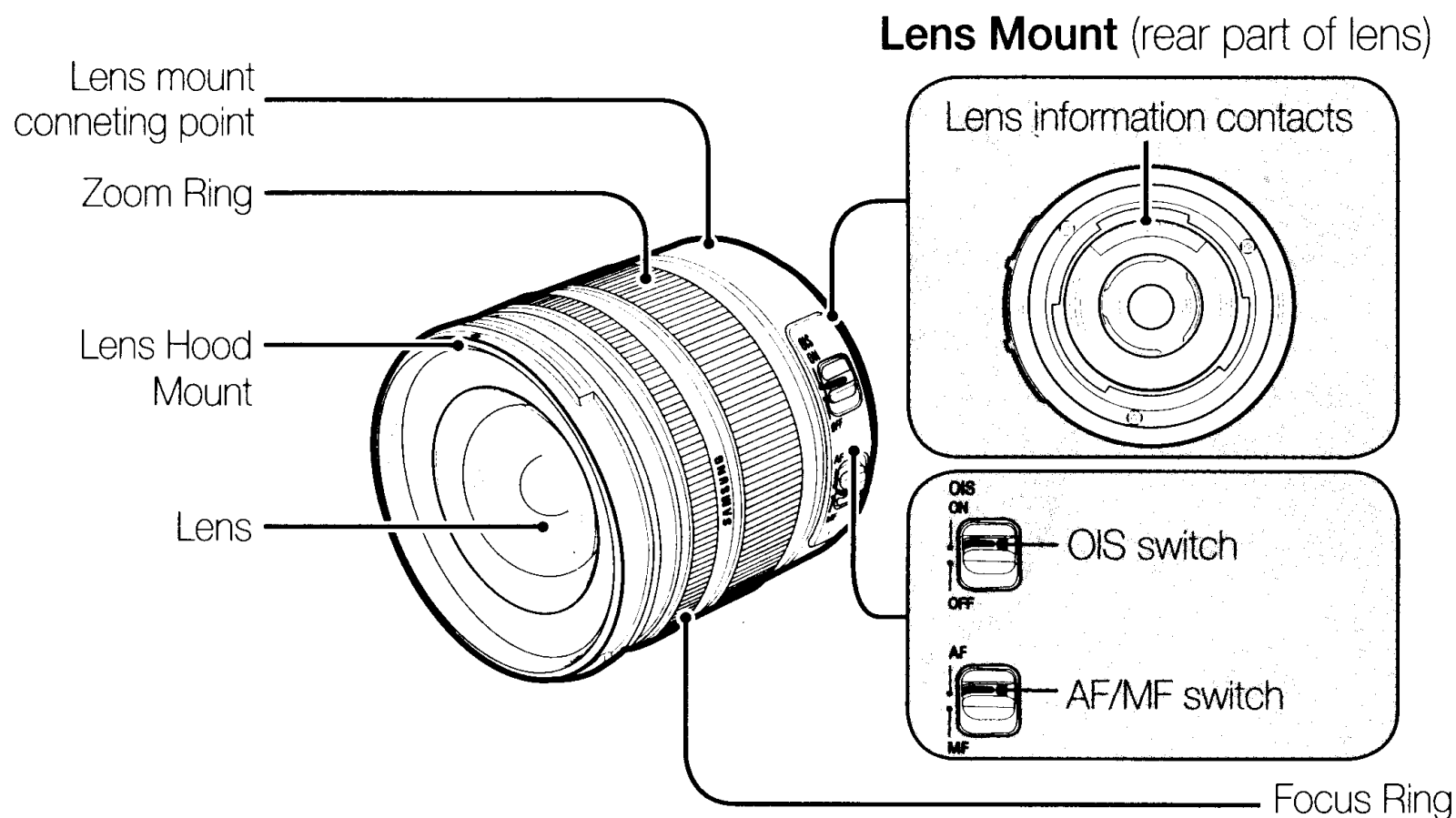


The specifications of lens may differ by the model.
Each component may differ depending on the model.

Titles of the Product

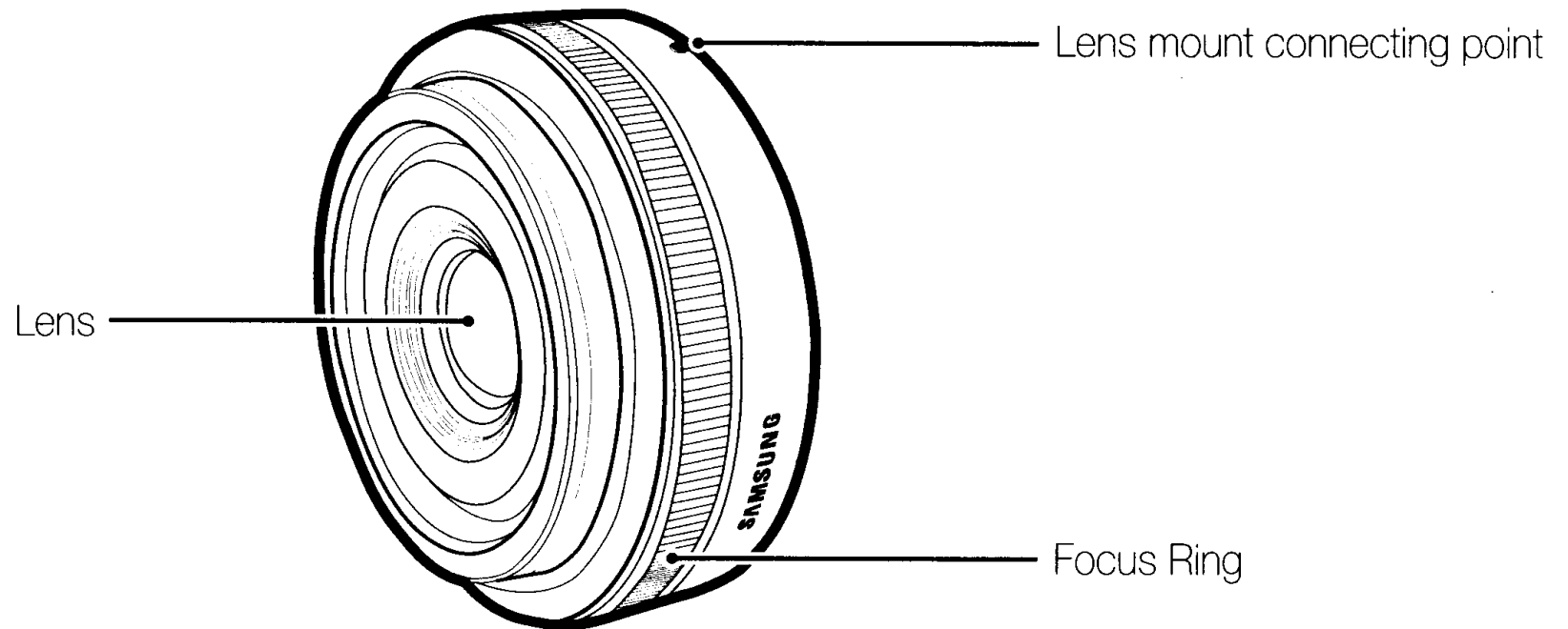
Part Description

Title for Each Part of Zoom Lens



In order to explain the basics of the zoom lens, this chapter uses the SAMSUNG 18-55mm F3.5-5.6 OIS Lens as an example and may differ from the product purchased.

Title for Each Part of the Single Focus Lens



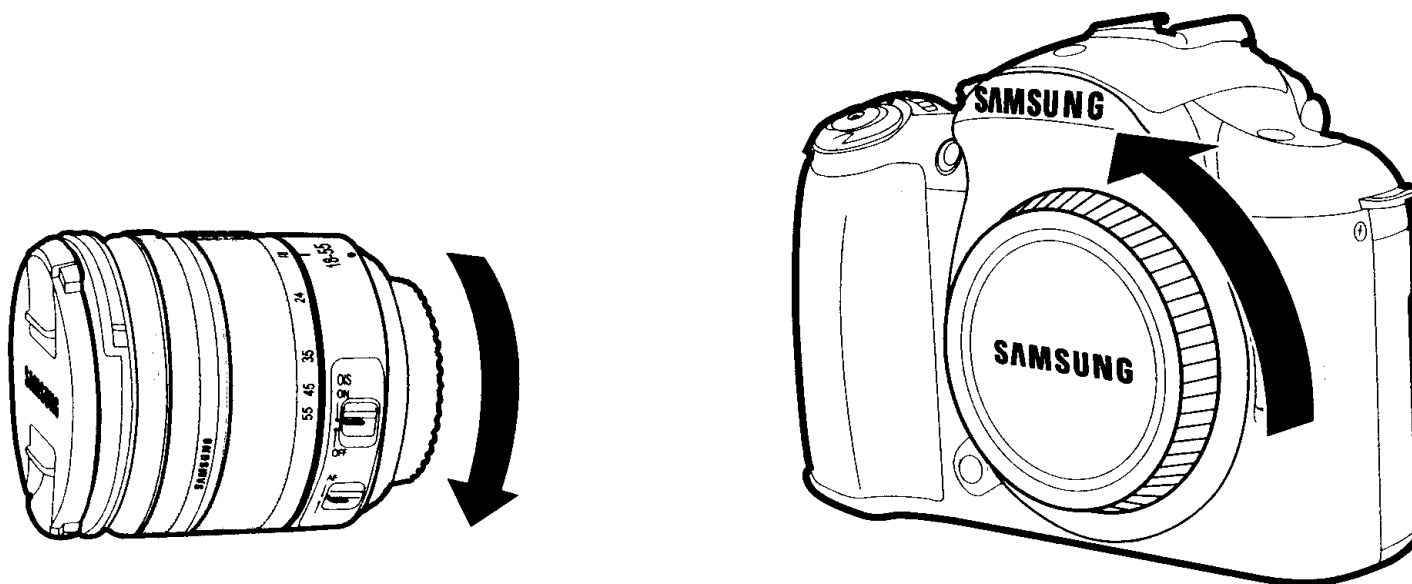
In order to explain the basics of the single focus lens, this chapter has used SAMSUNG 30mm F2 Lens as an example and may differ from the product purchased.

Using the Lens

Mounting/Dismounting the Lens

Please remove the lens mount cover and body cap prior to the installation of lens.

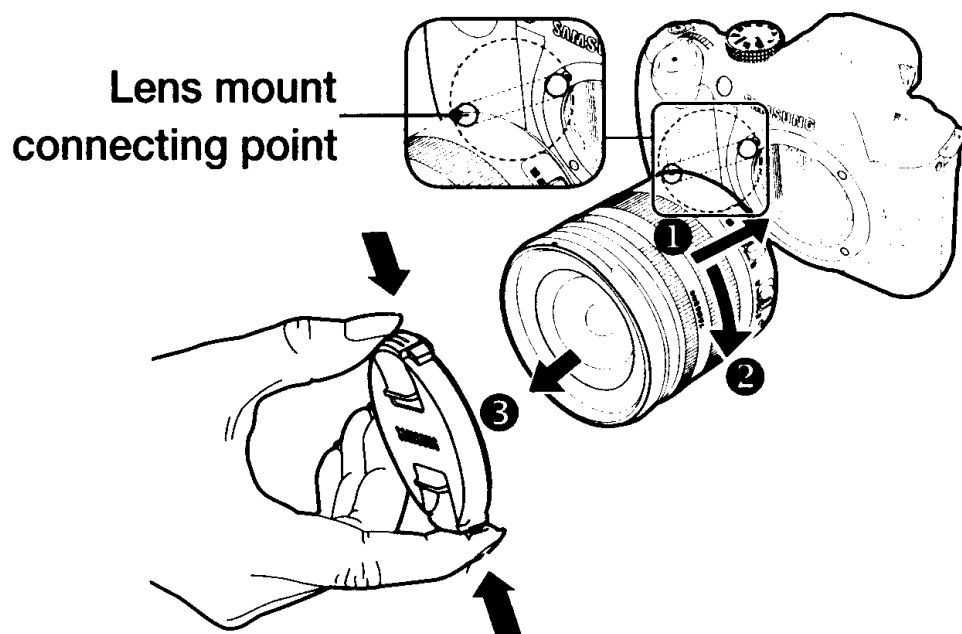
Before Mounting the Lens



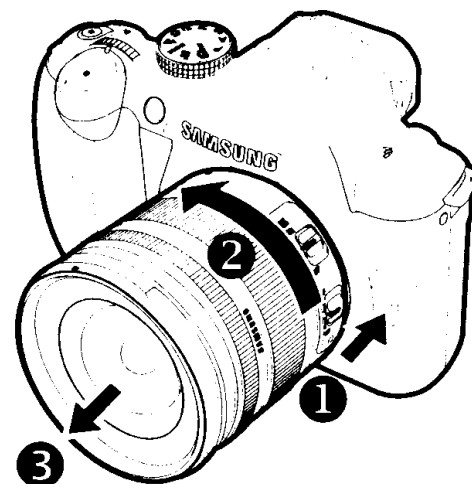
Using the Lens

After matching the lens mount index (red) of camera body with the point (red) of lens mount, join the lens by turning the lens clockwise until it clicks. In case of lens removal, turn the lens in the clockwise direction while holding down the lens dismount button.

Lens Mounting



Dismounting the Lens



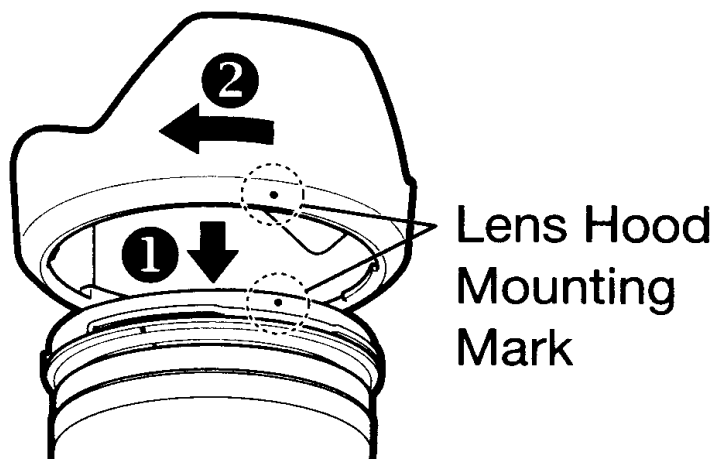
- Mounting or dismounting the lens when the power is off is desirable for the stable operation of lens.
- We are not responsible for any accident, damage or trouble caused by using other brand of lens.
- Body cap protects the product from scratch or dust in transportation.



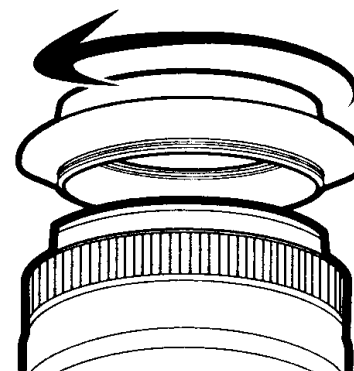
Using the Lens Hood

It is recommended to use the lens hood in order to prevent the deterioration of image quality caused by the internal reflection of light.

Depending on the model of lens, hood installation may differ.



When Using the Zoom Lens



When Using the Single Focus Lens

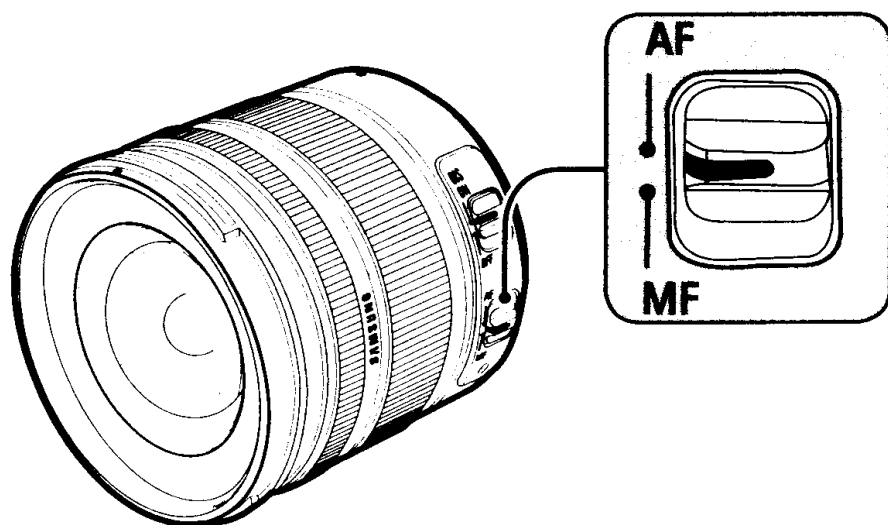
Please connect two parts after adjusting the lens hood mark and lens mark in a row.
Please install the lens hood by turning in the direction of arrow as shown in the figure.



- When installing the lens hood, please be careful so as not to move the focus ring or zoom ring.
- When not using the lens hood, it can be kept by attaching onto the lens in the opposite direction.
- Please keep in mind that there may be a model that can not have the lens hood installed.

Setting the automatic/manual focus function

The focus can be adjusted automatically or manually by using the AF/MF switch on a side of the lens.



1. Use of Auto Focus

Set the AF/MF switch of the lens to **AF**. The focus is adjusted automatically if pressing half of the shutter button.

2. Use of Manual Focus

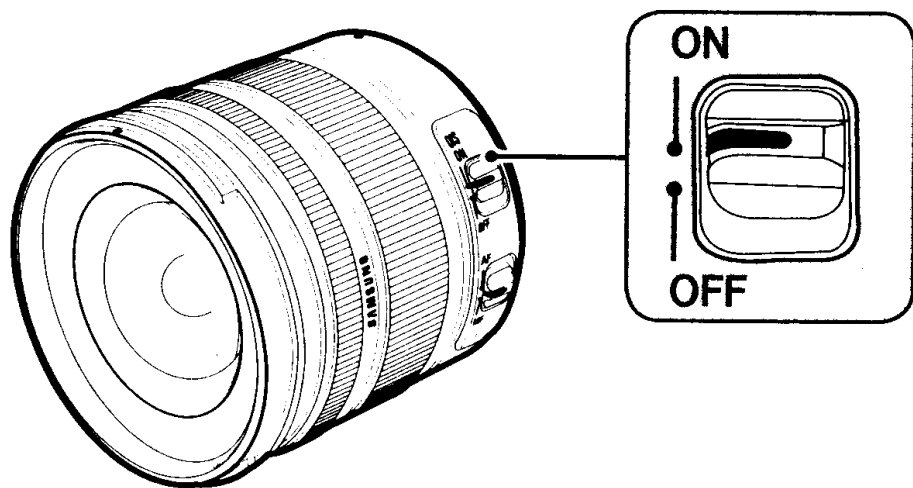
Set the AF/MF switch of the lens to **MF**. The focus can be adjusted manually by turning the focus ring.



Depending on the lens models, there may be a lens model that does not have the AF/MF switch. Please check before using the lens.

Using the Optical Image Stabilization (OIS) Function

The user can minimize the shaking of camera by using the OIS function. When trying to use the OIS function, please set the OIS switch of lens to **ON**.

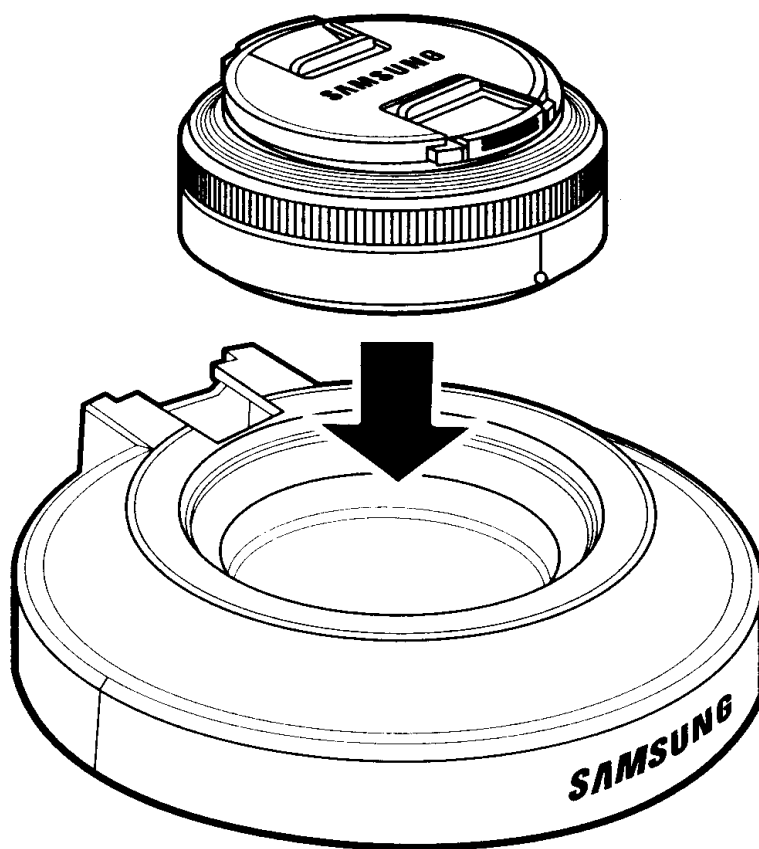


- Depending on the lens models, there may be a lens model that does not have the OIS switch. Please double check the lens.
- When using a tripod, please disable the OIS function since the image can be shaken due to the vibration of OIS function.

Using a Fixed Support for Storage

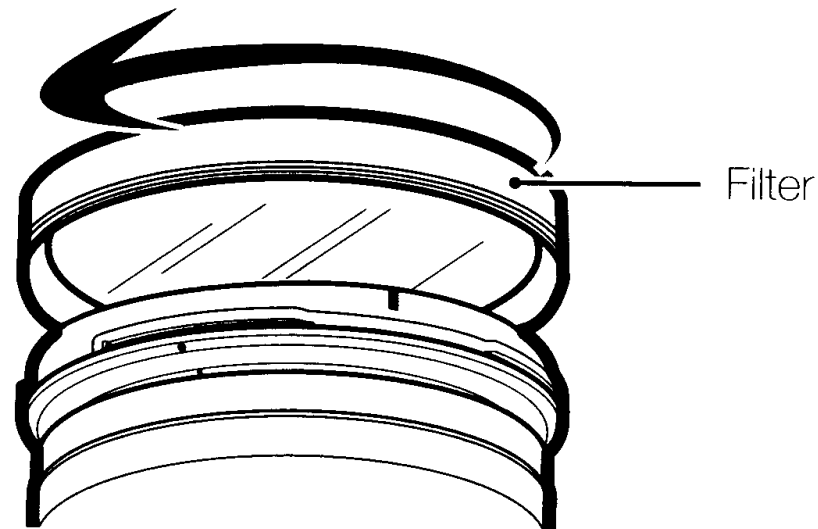
Using a Support

When not using the lens, it can be conveniently stored by attaching to a support as shown in the figure below. Please fix the lens to the support.



Using the Filter

After checking whether the size of filter is compatible with the lens, please install onto the front of lens by turning the unit.



For more about compatible filter size, please refer to the "Product Specification."(P. 19)



- The filter installed onto the lens is a precise optical product. Please keep it away from dust, dirt or scratch. Please do not try to install 2 or more filters at the same time.
- Using 2 or more filters at the same time may deteriorate the image quality and may cause vignetting.
- In case of thick framed filter, the vignetting can occur in the wide-angle lens.



What is vignetting?

Vignetting refers to the effect of when the edges or outer parts of the image gets dark or is hidden in black due to the reduced intensity of light in the surrounding part of screen. This can also occur when the viewing angle of lens is hidden by installing an accessory like a converter or filter.



Cautions When Using Flash and Lens

Built-in Flash

If the distance from the subject is close when taking images and using the built-in flash, part of the images may appear dark if the lens interferes with the flash light. Please check the distance between camera and subject when taking pictures. The distance interfered with the flash light may vary depending on the type of lens used.



When installing the lens hood, the light of built-in flash can be intercepted by the hood. Please remove the lens hood when using the built-in flash.



Product Specifications

Lens Name	SAMSUNG 30mm F2	SAMSUNG 18-55mm F3.5-5.6 OIS	SAMSUNG 50-200mm F4-5.6 ED OIS
Focal Length	30mm (equivalent to 46.2mm in 35mm format)	18 - 55mm (equivalent to 27.7 - 84.7mm in 35mm format)	50 - 200mm (equivalent to 77 - 308mm in 35mm format)
Elements in Groups	5 elements in 5 groups (1 Aspherical lens included)	12 elements in 9 groups (1 Aspherical lens included)	17 elements in 13 groups (2 Extra-low Dispersion lens included)
Angle of View	50.2°	75.9° - 28.7°	31.4° - 8.0°
Aperture	F2 (Min. F22), (Number of Blades : 7 , Circular Aperture Diaphragm)	F3.5 - 5.6 (Min. F22), (Number of Blades : 7 , Circular Aperture Diaphragm)	F4 - 5.6 (Min. F22), (Number of Blades : 7 , Circular Aperture Diaphragm)
Mount Type	Samsung NX Mount	Samsung NX Mount	Samsung NX Mount
Optical Image Stabilizer	No	Yes	Yes
Minimum Focus Distance	0.25m ~ ∞	0.28m ~ ∞	0.98m ~ ∞
Maximum Magnification	Approx. 0.16X	Approx. 0.22X	Approx. 0.2X
Lens Hood	Optional	Included	Included
Filter Size	43mm	58mm	52mm
Max. Diameter x Length	61.5 x 21.5mm	63 x 65.1mm	70 x 100.5mm
Weight	Approx. 85g (without hood)	Approx. 198g (without hood)	Approx. 417g (without hood)
Operating Temperature	0 ~ 40°C	0 ~ 40°C	0 ~ 40°C
Operating Humidity	5 ~ 85%	5 ~ 85%	5 ~ 85%



**Correct Disposal of This Product
(Waste Electrical & Electronic
Equipment)**

**(Applicable in the European Union
and other European countries with
separate collection systems)**

This marking on the product, accessories or literature indicates that the product and its electronic accessories (e.g. charger, headset, USB cable) should not be disposed of with other household waste at the end of their working life. To prevent possible harm to the environment or human health from uncontrolled waste disposal, please separate these items from other types of waste and recycle them responsibly to promote the sustainable reuse of material resources. Household users should contact either the retailer where they purchased this product, or their local government office, for details of where and how they can take these items for environmentally safe recycling. Business users should contact their supplier and check the terms and conditions of the purchase contract. This product and its electronic accessories should not be mixed with other commercial wastes for disposal.



Samsung Eco-mark

It is Samsung's own symbol mark is used to effectively communicate Samsung's environmental friendly product activities to the consumers. The mark represents Samsung's continuous effort on development of environmental conscious products.

EEE Yönetmeliğine Uygundur



Please refer to the warranty that came with your product or visit our website <http://www.samsung.com/> for after-sales service or inquiries.



AD68-04531A(1.0)

English

Important notice about your warranty service

Thank you for purchasing a Samsung camera.

Due to realignment of our organization, your Samsung Digital Imaging Co., Ltd. camera is now the responsibility of **Samsung Electronics Co., Ltd.** (as of April 1, 2010). The products or accessories labeled or manufactured by Samsung Digital Imaging Co., Ltd. are still covered by the full manufacturer's warranty. We will always make our best effort to provide you with high quality services and satisfy our customers.

Thank you.

English

After-Sales Service Guide

- The free of charge service period for this product is 12 months from your purchasing date.
- Please connect below website and select your country.

<http://www.samsungimaging.com>

<http://www.samsung.com>

Français

Guide après-vente

- La période de garantie pour ce produit est de 12 mois à compter de la date d'achat.
- Veuillez consulter le site Web indiqué ci-dessous et sélectionner votre pays.

<http://www.samsungimaging.com>

<http://www.samsung.com>